

# 《超对称和超引力》

## 图书基本信息

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## 前言

The strong interest with which these lectures on supersymmetry and supergravity were received at Princeton University encouraged me to make their contents accessible to a larger audience. They are not a systematic review of the subject. Instead, they offer an introduction to the approach followed by Bruno Zumino and myself in our attempt to develop and understand the structure of supersymmetry and supergravity. This book consists of two parts. The first develops a formalism which allows us to construct supersymmetric gauge theories. The second part extends this formalism to local supersymmetry transformations. At the end of each chapter, two papers are cited which I recommend to the reader. I am aware that this selection does not do justice to many authors who have contributed to the subject. However, I would like to draw attention to the more complete lists of references found in P. Fayet and S. Ferrara, *Supersymmetry*, *Physics Reports* 32C, No. 5, 1977, and P. Van Nieuwenhuizen, *Supergravity*, *Physics Reports* 68C, No. 4, 1981. Throughout the text, important equations are numbered in boldface. They are collected at the end of each chapter. Exercises are also included along with each chapter; many of them contain information essential to a deeper understanding of the subject. This book was prepared in collaboration with Jonathan Bagger, without whom it would never have been written. Both Jon and I would like to thank Winnie Waring for her devoted assistance in the preparation of the manuscript. As a tribute to her high standards, we have tried our best to avoid errors in factors and signs. Many people have helped eliminate these errors. In particular, we would like to thank Martin Muller for his assistance with the second half of the book.

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## 内容概要

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## 编辑推荐

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